eFlow3N Power Supply/Charger

Rev. DSeFlow3N_01042013

eFlow3N

Overview

eFlow3N is a power supply/charger that converts a 120VAC, 60Hz input into a single 12VDC or 24VDC Class 2 Rated power-limited output.

Specifications

Input:
- 120VAC, 60Hz, 3.5 amp.
- Input fuse: 5A/250V.

Output:
- 12VDC or 24VDC selectable output.
- 12VDC or 24VDC @ 2.0 amp supply current.
- Power-limited output.
- Auxiliary Power-Limited output rated @ 1 amp (unswitched).
- Over Voltage Protection.

Battery Backup:
- Built-in charger for sealed lead acid or gel type batteries.
- Maximum charge current 1.54 amp.
- Automatic switch over to stand-by battery when AC fails. Transfer to stand-by battery power is instantaneous with no interruption.

Supervision:
- AC fail supervision (form “C” contacts).
- Battery fail & presence supervision (form “C” contacts).
- Low power shutdown. Shuts down DC output terminals if battery voltage drops below 71-73% for 12V units and 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge.

Fire Alarm Disconnect:
- Supervised Fire Alarm disconnect (latching or non-latching) 10K EOL resistor. Operates on a normally open (NO) or normally closed (NC) trigger.

Electrical:
- Operating temperature: 0º C to 49º C ambient.
- BTU/Hr.:
  12VDC: 12.28 BTU/Hr.
  24VDC: 24.57 BTU/Hr.
- System AC input VA requirement: 420VA.

Visual Indicators:
- Green AC Power LED indicates 120VAC present.
- AC input, DC output and Battery LED indicators.

Additional Features:
- Short circuit and overload protection.
- Unit is complete with power supply, enclosure, battery leads and cam lock.

Mechanical:
- Enclosure Dimensions (H x W x D approx.):
  13.5” (342.9mm) x 13” (330.2mm) x 3.25” (82.55mm)
  - Accommodates up to two (2)12VDC/7AH batteries.
- Product weight (approx.): 8.5 lbs. (3.86 kg).
- Shipping weight (approx.): 9.4 lbs. (4.26 kg).

Agency Approvals

UL 294	UL Listed for Access Control System Units.
UL 603	UL Listed for Power Supplies for Use with Burglar-Alarms Systems.
UL 1481	UL Listed for Power Supplies for Fire Protective Signaling Systems.

ULC-S318-96 - Power Supplies for Burglar Alarm Systems. Also suitable for Access Control.

CSFM - California State Fire Marshal Approved.

Enclosure Dimensions *(H x W x D) (approximate)*:

13.5” (342.9mm) x 13” (330.2mm) x 3.25” (82.55mm)